



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

veral Flies, I thought fit to transcribe what Dr. *Hook* says concerning the same in his *Micrographia*, and to give the Figure thereof, as it is by him described. See *Lit. Q.* in regard the Book is very scarce, *Micrographia, Observ.* 38. pag. 173. 'Whilst I was examining and considering the 'curious Mechanism of the Wings, I observed that under the Wings of most kinds of Flies, Bees, &c. there 'were placed certain Pendulums, or extended drops (as 'I may call them from their resembling Motion and Figure) for they much resembled a long hanging drop of 'some transparent viscous Liquor ; and I observed them 'constantly to move just before the Wings of the Fly began to move ; so that at the first sight I could not but 'guess, that there was some excellent use as to the Regulation of the Motion of the Wings, and did fancy that 'it might be something like the Handle of a Cock, which 'by vibrating to and fro, might as 'twere open and shut 'the Cock, and thereby give a passage to the determinate 'Influences into the Muscles : Afterwards, upon some other Trials, I supposed that they might be for some use 'in Respiration, which for many Reasons I suppose those 'Animals to use ; and methought it was not very impro- 'bable, but that they might have convenient passages under the Wings for the emitting (at least) of the Air, if not 'admitting, as in the Gills of Fishes is most evident. Or perhaps this Pendulum might be somewhat like the Staff to 'a Pump, whereby these Creatures might exercise their 'Analogous Lungs, and not only draw in, but force out the 'Air they live by : But these were but Conjectures, and 'upon further examination seem'd less probable.

AN ADVERTISEMENT.

THE Ingenious are desired, That if they have any loose Papers relating to the same Design with those of Sir *William Petty's*. Printed in this Transaction, they will please to communicate them, which Favour shall be acknowledged by the like Communications by the Publisher.
